

Advantech ASR-5200E: Ideal for Microsoft environments

Efficient, high-performing and affordable
storage for small and medium businesses

Author: Gallant Wan

E-mail: Gallante.Wan@advantech.com

Highlights

- Optimize storage efficiency for Microsoft environments by leveraging a rich set of advanced features including virtualization and thin provisioning
- Deliver essential data protection with built-in Flash Copy technology
- Simplify management and improve administration with an intuitive, easy-to-use interface
- Reduce complexity and address day-to-day challenges with cost-effective storage solutions for backup and recovery, email and databases

In the era of Smarter Computing, data is being accumulated at faster rates and in greater volumes, but storing this data can be difficult and costly to manage especially for small and midsize businesses. Advantech ASR-5200E, External Disk Array can help companies of all sizes with Microsoft IT environments create or enhance an infrastructure that will easily scale and adapt to changing business requirements.

Raising the bar with ASR-5200E


Based on the innovative architecture of ASR-5200E, the External Disk Array is a powerful, affordable and efficient storage system designed to address growing data requirements and consolidation needs. ASR-5200E raises the standard for entry-level disk systems by incorporating a rich set of features to help deploy, manage and administer IT environments. It can ultimately help address the storage challenges related to the ongoing information explosion. With its ease of use and built-in efficiency capabilities, the high performing ASR-5200E is a smarter solution for small and medium businesses (SMBs) with Microsoft environments.

Solutions for key Microsoft technologies

Advantech Industrial Server and management software can help improve Microsoft IT environments. ASR-5200E offers support for Microsoft applications and platforms including Microsoft Windows Server, Microsoft Hyper-V, and Microsoft SharePoint. To increase flexibility, reduce implementation risk and deliver a more robust information infrastructure, the solution areas focus on backup and recovery, high availability, data protection, virtualization, archiving and more.

Efficient by design

The built-in efficiency features of ASR-5200E including virtualization, thin provisioning and dynamic migration can deliver significant benefits for Microsoft environments and mixed workloads. Storage virtualization complements server virtualization and can help simplify your IT environment while lowering your total cost of ownership by consolidating storage resources. Thin provisioning leverages virtualization technology, enabling applications to consume only the space they are actually using, not the total space that has been allocated to them. Higher utilization can be realized by reducing the need to install physical disk capacity that would otherwise be unused. Dynamic migration is also included



with ASR-5200E and enables non-disruptive data movement to the system for consolidation efforts or when upgrading to new technology.

Essential data protection

Flash Copy, an essential technology included in ASR-5200E, enables high performing, application-aware snapshots that can deliver near instantaneous point-in-time protection. The Flash Copy service can be used to help you recover from situations where data has been lost because of application or user error. For example, Flash Copy can be used to take a snapshot of critical data at regular intervals before beginning any maintenance activity to protect against possible accidental deletion. The incremental Flash Copy feature also provides value by reducing the amount of time to complete the copy operation after the initial snapshot has completed. The Flash Copy feature can be ideal when executing nightly backups of a Microsoft database, ensuring high application availability during the backup process.

Simplicity built in

Businesses of all sizes, and especially SMBs, are looking to reduce complexity and ASR-5200E has been designed for exceptional ease of use. The system offers a number of configuration options along with automated wizards to speed and simplify the implementation process. The initial system setup typically only takes minutes and volumes can be provisioned with only a few clicks. ASR-5200E uses a groundbreaking, powerful graphical user interface which simplifies deployment and ongoing storage management. This intuitive interface is easy-to-use and can help organizations improve storage performance, efficiency and utilization rates while increasing administrator productivity.

The Advantech-Microsoft Relationship

Advantech has an enduring partnership with Microsoft, with a collaboration that spans more than 25 years. As a long-time Certified Gold Partner, Advantech works closely with Microsoft to deliver proven solutions that meet customer needs. Together Microsoft and Advantech have committed considerable resources and established a number of value-add programs to focus on testing, validation and interoperability—all for the purpose of accelerating and maximizing value to clients. Continued strong investment and active involvement in joint development initiatives and partner programs ensures that Advantech solutions like ASR-5200E are supportable and designed with optimal performance and functionality in mind.

For more information

To learn more about Advantech ASR-5200E storage system, please contact your Advantech representative or visit our website at <http://www.advantech.com/intelligent-systems/>.